

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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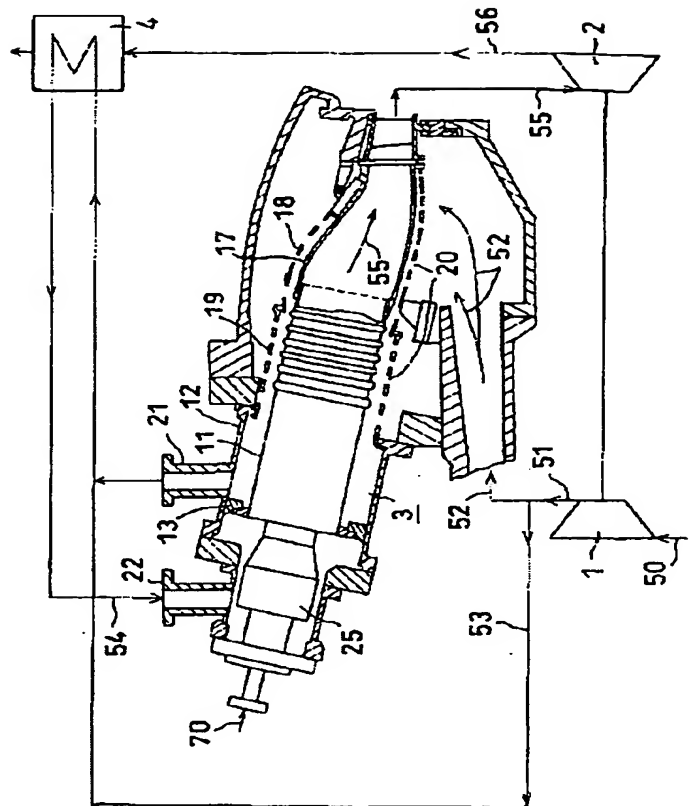
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APPLICANT : TOSHIBA CORP;

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TITLE : GAS TURBINE PLANT



**ABSTRACT :** PROBLEM TO BE SOLVED: To effectively cool a combustor liner or a fuel supply part in a combustor of a regenerating cycle gas turbine for recovering the waste heat of a gas turbine, by heat-exchanging the waste heat and compressed air of the turbine by a regenerator.

**SOLUTION:** At least a part of compressed air is used as cooling air for a combustor liner 11, and a fuel and air pre-mixed part, and this air after cooling is led to a regenerator 4 to be heat-exchanged with gas turbine exhaust heat, and then is used as combustion air. Consequently effective cooling can be made because the liner 11 or the pre-mixed part, cooled by utilizing high- temperature air after passing the regenerator before, can be cooled by the compressed air.

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